# Refine Search

## Search Results -

Terms	Documents			
retargeting AND kernel	27			

US Pre-Grant Publication Full-Text Database

US Patents Full-Text Database

Database: US OCR Full-Text Database EPO Abstracts Database

JPO Abstracts Database

Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:











# Search History

## DATE: Monday, December 26, 2005 Printable Copy Create Case

Set Name side by side	Query	<u>Hit</u> <u>Count</u>	Set Name result set
DB=B	PGPB; $PLUR=NO$ ; $OP=OR$		
<u>L6</u>	retargeting AND kernel	27	<u>L6</u>
DB=0	USPT; PLUR=NO; OP=OR		
<u>L5</u>	L4 and kernel	3	<u>L5</u>
<u>L4</u>	L3 OR L2	13	<u>L4</u>
<u>L3</u>	L1 and retargeting	12	<u>L3</u>
<u>L2</u>	L1 AND retarget	2	<u>L2</u>
<u>L1</u>	(717/136   717/146   717/162).ccls. OR (703/23   703/24   703/25   703/26   703/27   703/28).ccls. OR (716/18).ccls.	2644	<u>L1</u>

**END OF SEARCH HISTORY** 

## **Hit List**

First Hit Glear Generate Gollection Print Ewd Refs Bkwd Refs

Generate GAGS

Search Results - Record(s) 1 through 27 of 27 returned.

☐ 1. Document ID: US 20050226406 A1

L6: Entry 1 of 27

File: PGPB

Oct 13, 2005

Oct 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050226406

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050226406 A1

TITLE: Efficient linking and loading for late binding and platform retargeting

PUBLICATION-DATE: October 13, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Forin, Alessandro Bellevue WA US Helander, Johannes V. Bellevue WA US

US-CL-CURRENT: 380/1

Full Title Citation	Front Review	Classification Date	Reference Sequences	#ttachmenta	Claims Killic Brains
				•	

### ☐ 2. Document ID: US 20050223018 A1

L6: Entry 2 of 27 File: PGPB

PGPUB-DOCUMENT-NUMBER: 20050223018

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050223018 A1

TITLE: Efficient linking and loading for late binding and platform retargeting

PUBLICATION-DATE: October 6, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Forin, Alessandro Bellevue WA US Helander, Johannes V. Bellevue WA US

US-CL-CURRENT: 707/100

☐ 3. Document ID: US 20050216701 A1

L6: Entry 3 of 27 File: PGPB Sep 29, 2005

PGPUB-DOCUMENT-NUMBER: 20050216701

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050216701 A1

TITLE: Automatic configuration of a microprocessor

PUBLICATION-DATE: September 29, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Taylor, Richard Michael Midlothian GB

US-CL-CURRENT: 712/34; 712/209, 712/227

Full Title Citation Front Review Classification Da	ite Reference Sequences	Attachmenta Claims 1990 Braid De
☐ 4. Document ID: US 20050193232 A	l	
L6: Entry 4 of 27	File: PGPB	Sep 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050193232

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050193232 A1

TITLE: System and method for persistent RAM disk

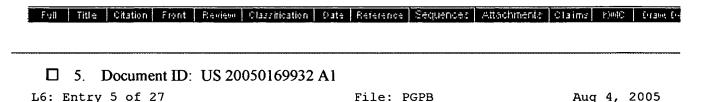
PUBLICATION-DATE: September 1, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Diehl, Shawn T. Mount Vernon NH US

US-CL-CURRENT: 714/5



PGPUB-DOCUMENT-NUMBER: 20050169932

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050169932 A1

TITLE: Uses of monoclonal antibody 8h9

PUBLICATION-DATE: August 4, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Cheung, Nai-Kong V Purchase NY US

US-CL-CURRENT: 424/160.1; 435/320.1, 435/339.1, 435/69.1, 530/388.3, 536/23.53

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims 10mlC Frame Company Compan

PGPUB-DOCUMENT-NUMBER: 20050027871

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050027871 A1

TITLE: Interoperable systems and methods for peer-to-peer service orchestration

PUBLICATION-DATE: February 3, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY
Bradley, William Newark DE US
Maher, David Livermore CA US
Boccon-Gibod, Gilles Los Altos CA US

US-CL-CURRENT: 709/227

	हिंग्री	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claima	kimic:	£16300, £14
•							•						
		7.	Documen	nt ID:	US 20	050015384	<b>A</b> 1						

File: PGPB

Jan 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050015384

PGPUB-FILING-TYPE: new

L6: Entry 7 of 27

DOCUMENT-IDENTIFIER: US 20050015384 A1

TITLE: Relocation of metadata server with outstanding DMAPI requests

PUBLICATION-DATE: January 20, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY
Wehrman, Geoffrey Minneapolis MN US
Roehrich, Dean Eagan MN US

US-CL-CURRENT: 707/100

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims (2000 Draw, De

### □ 8. Document ID: US 20040261145 A1

L6: Entry 8 of 27

File: PGPB

Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040261145

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040261145 A1

TITLE: Genetic transformation in plants using site-specific recombination and wide

hybridization

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Lyznik, Leszek Alexander Johnston IA US Baszczynski, Christopher L. Urbandale IA US Orczyk, Wacław Blonie PL

US-CL-CURRENT: 800/260; 800/266, 800/278

Full	Title Citati	on Front	Review	Classification	Date	Reference	Sequences	Attachmenta	Claims	kjaniji)	Frave Di
	9. Docu	ment ID:	US 20	040250231	<b>A</b> 1						
L6: E	Entry 9 of	E 27				File: H	PGPB		Dec	9,	2004

PGPUB-DOCUMENT-NUMBER: 20040250231

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040250231 A1

TITLE: Automated processor generation system for designing a configurable processor

and method for the same

PUBLICATION-DATE: December 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Killian, Earl A.	Los Altos Hills	CA	US
Gonzalez, Ricardo E.	Menlo Park	CA	US
Dixit, Ashish B.	Mt. View	CA	US
Lam, Monica	Menlo Park	CA	US
Lichtenstein, Walter D.	Belmont	MA	US
Rowen, Christopher	Santa Cruz	CA	US
Ruttenberg, John C.	Newton	MA	US
Wilson, Robert P.	Palo Alto	CA	US
Wang, Albert Ren-Rui	Fremont	CA	US

Maydan, Droe Eliezer

Palo Alto

CA

US

US-CL-CURRENT: 716/18

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims Kinto Draw De

☐ 10. Document ID: US 20040250113 A1

L6: Entry 10 of 27

File: PGPB

Dec 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040250113

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040250113 A1

TITLE: Clustered filesystem for mix of trusted and untrusted nodes

PUBLICATION-DATE: December 9, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Beck, Kenneth S. Morgan Hill CA US

US-CL-CURRENT: 726/27

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims Kindo Erawa De

☐ 11. Document ID: US 20040249904 A1

L6: Entry 11 of 27

File: PGPB

Dec 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040249904

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040249904 A1

TITLE: Multi-class heterogeneous clients in a clustered filesystem

PUBLICATION-DATE: December 9, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Moore, Daniel North Carlton ΑU Gildfind, Andrew Richmond ΑU

US-CL-CURRENT: 709/216

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims Kindo Brain D

☐ 12. Document ID: US 20040243544 A1

L6: Entry 12 of 27 File: PGPB Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040243544

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040243544 A1

TITLE: Dynamic symbolic link resolution

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Hipp, Burton A. Elk Grove CA US

US-CL-CURRENT: 707/1

Full Title	Citation	Front	Review	Classification	Date	Referenc	a Sequences	Attachments	Claims	Kimpi	Errand Er-
					<del></del>						
□ 13.	Docum	ent ID	: US 2	004021067	3 A1						
L6: Entry	13 of	27				File:	PGPB		Oct	21,	2004

PGPUB-DOCUMENT-NUMBER: 20040210673

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040210673 A1

TITLE: Messaging between heterogeneous clients of a storage area network

PUBLICATION-DATE: October 21, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Cruciani, Mark Lakeville MN US Beck, Kenneth S. Morgan Hill CA US

US-CL-CURRENT: <u>709/246</u>; <u>709/230</u>

Full Title Citation Front Review Classification Date	Reference   Sequences   Attachmen	ts Claims KMC (Graw De
		***************************************
☐ 14. Document ID: US 20040210656 A1		
L6: Entry 14 of 27	File: PGPB	Oct 21, 2004

PGPUB-DOCUMENT-NUMBER: 20040210656

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040210656 A1

TITLE: Failsafe operation of storage area network

PUBLICATION-DATE: October 21, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Beck, Kenneth S. Morgan Hill CA US
Goodwin, Mark J. Selby AU

US-CL-CURRENT: 709/225

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims RMC Craw Co

☐ 15. Document ID: US 20040153841 A1

L6: Entry 15 of 27 File: PGPB Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040153841

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040153841 A1

TITLE: Failure hierarchy in a cluster filesystem

PUBLICATION-DATE: August 5, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Beck, Ken Morgan Hill CA US

US-CL-CURRENT: 714/42

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims Killio Draw G

☐ 16. Document ID: US 20040143607 A1

L6: Entry 16 of 27 File: PGPB Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040143607

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040143607 A1

TITLE: Recovery and relocation of a distributed name service in a cluster

filesystem

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Beck, Ken Morgan Hill CA US

US-CL-CURRENT: 707/201

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw De

☐ 17. Document ID: US 20040139125 A1

L6: Entry 17 of 27

File: PGPB

Jul 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040139125

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040139125 A1

TITLE: Snapshot copy of data volume during data access

PUBLICATION-DATE: July 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Strassburg, Roger	Oberpframmern	MN	DE
Overby, Glen	Apple Valley	MN	US
Lord, Stephen Philip	Prior Lake	NY	US
Costello, Laurie	Painted Post	MN	US
Bannister, Neil	Eagan		US

US-CL-CURRENT: 707/202

Full Ti	tle Citation	Front	Review	Classification	Date	Referenc	e Sequences	###achments	Claima	kindi	Errano, Cr-
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□ 18	3. Docum	ent ID:	US 20	004007131	7 A1						
L6: Ent	ry 18 of	27				File:	PGPB		Apr	15,	2004

PGPUB-DOCUMENT-NUMBER: 20040071317

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040071317 A1

TITLE: Method for visual tracking using switching linear dynamic system models

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Pavlovie, Vladimir Melrose MA US

Rehg, James Matthew Arlington MA US

US-CL-CURRENT: 382/103

Full   Titl	e Citation	Front	Review	Classification	Date	Reference	Sequences	:Attachmente	Claims	F000C	Erf3ng Er-
□ 19.	Docum	nent ID	): US 2	004004263	9 A1						
L6: Entr	y 19 of	27				File:	PGPB		Mar	4,	2004

PGPUB-DOCUMENT-NUMBER: 20040042639

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040042639 A1

TITLE: Method for motion classification using switching linear dynamic system

models

PUBLICATION-DATE: March 4, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Pavlovic, Vladimir Melrose MA US
Rehg, James Matthew Arlington MA US

US-CL-CURRENT: 382/107; 382/224

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachmenta	Claims	FinalC	[+f366
	20.	Docum	ent ID	): US 2	003020872	3 A1				······		······································
		20 of					File:	PGPB		Nov	6,	2003

PGPUB-DOCUMENT-NUMBER: 20030208723

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030208723 A1

TITLE: Automated processor generation system for designing a configurable processor

and method for the same

PUBLICATION-DATE: November 6, 2003

### INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Killian, Earl A.	Los Altos Hills	CA	US
Gonzalez, Ricardo E.	Menlo Park	CA	US
Dixit, Ashish B.	Mountain View	CA	US
Lam, Monica	Menlo Park	CA	US
Lichtenstein, Walter D.	Belmont	MA	US
Rowen, Christopher	Santa Cruz	CA	US
Ruttenberg, John C.	Newton	MA	US
Wilson, Robert P.	Palo Alto	CA	US
Wang, Albert Ren-Rui	Fremont	CA	US
Maydan, Dror Eliezer	Palo Alto	CA	US

US-CL-CURRENT: 716/1

	Full Title	e Citation	Front R	jenjem (	Classification	Date	Reference	Sequences	Attachments	Claima	15m10	[HB00]
							<u></u>					

L6: Entry 21 of 27 File: PGPB Jun 5, 2003

PGPUB-DOCUMENT-NUMBER: 20030103963

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030103963 A1

TITLE: Uses of monoclonal antibody 8H9

PUBLICATION-DATE: June 5, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Cheung, Nai-Kong V. Purchase NY US

US-CL-CURRENT: 424/130.1; 424/141.1, 435/320.1, 435/326, 435/69.1, 530/388.15,

536/23.53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachmenta	Claima	15000	Ciranic Ci-
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	22.	Docum	ent ID	: US 2	003007894	6 A l						
L6:	Entry	22 of	27				File: P	GPB		Apr	24,	2003

PGPUB-DOCUMENT-NUMBER: 20030078946

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030078946 A1

TITLE: Clustered filesystem

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Costello, Laurie Painted Post NY US
Mowat, Eric Pledmont CA US
Leong, James Hillsborough CA US

US-CL-CURRENT: 707/201

Full Title Citation Front Review Classification Date	Reference Sequences	Attachmenta Claims 10000 Draw De
☐ 23. Document ID: US 20030028514 A1		
L6: Entry 23 of 27	File: PGPB	Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030028514

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030028514 A1

TITLE: Extended attribute caching in clustered filesystem

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Lord, Stephen Philip Prior Lake MN US Kierski, Robert Farmington MN US

US-CL-CURRENT: 707/1

Full	Titl∈	Citation	Frent	Review	Classification	Date	Reference	Sequences	Attachmenta	Claims	kjanji)	Drawe (v

☐ 24. Document ID: US 20020181017 A1

L6: Entry 24 of 27 File: PGPB Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020181017

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020181017 A1

TITLE: Open coventuring in a remote hardcopy proofing service, with preserved

clientele, through interface sharing

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Such, AlbertoBarcelonaESMackenzie, AndrewBarcelonaESGonzalez, AndresBarcelonaES

US-CL-CURRENT: <u>358/1.15</u>; <u>358/1.9</u>, <u>358/402</u>

Full	Title	Citation	Front	Review	Classification	Pate	Reference	Sequences	Attachmenta	Claims	KindC	Evrand (v-
		•										

☐ 25. Document ID: US 20020178432 A1

L6: Entry 25 of 27 File: PGPB Nov 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020178432

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020178432 A1

TITLE: Method and system for synthesizing a circuit representation into a new

circuit representation having greater unateness

PUBLICATION-DATE: November 28, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Kim, Hyungwon San Jose CA US

Hayes, John P.

Ann Arbor

MI

US

US-CL-CURRENT: 716/18

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KinlC Brand D-

☐ 26. Document ID: US 20020102264 A1

L6: Entry 26 of 27

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102264

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020102264 A1

TITLE: Uses of monoclonal antibody 8H9

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

CITY NAME STATE COUNTRY

Cheung, Nai-Kong V. Purchase

US-CL-CURRENT: 424/155.1; 424/178.1, 435/326, 530/389.1

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims 10000 Draw De

☐ 27. Document ID: US 20020023278 A1

L6: Entry 27 of 27 File: PGPB Feb 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020023278

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020023278 A1

TITLE: Genetic transformation in plants using site-specific recombination and wide

hybridization

PUBLICATION-DATE: February 21, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Lyznik, Leszek Alexander Johnston IA US Baszczynski, Christopher L. US Urbandale ΙA Orczyk, Waclaw Blonie PL

US-CL-CURRENT: 800/278; 800/260, 800/288, 800/320, 800/320.1, 800/320.2, 800/320.3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KiniC | Draw, De

Clear Generate Collection	Print Fwd Refs Bkwd Refs Generate @ACS
Terms	Documents
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Display Format: CIT Change Format

Previous Page Next Page Go to Doc#

# **Hit List**

First Hit Clear Generate Collection Print Fwd Refs **Bkwd Refs** Generate OACS

## **Search Results -** Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 6760888 B2

L5: Entry 1 of 3 File: USPT Jul 6, 2004

US-PAT-NO: 6760888

DOCUMENT-IDENTIFIER: US 6760888 B2

TITLE: Automated processor generation system for designing a configurable processor and method for the same

DATE-ISSUED: July 6, 2004

### INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Killian; Earl A.	Los Altos Hills	CA		
Gonzalez; Ricardo E.	Menlo Park	CA		
Dixit; Ashish B.	Mountain View	CA		
Lam; Monica	Menlo Park	CA		
Lichtenstein; Walter D.	Belmont	MA		
Rowen; Christopher	Santa Cruz	CA		
Ruttenberg; John C.	Newton	MA		
Wilson; Robert P.	Palo Alto	CA		
Wang; Albert Ren-Rui	Fremont	CA		
Maydan; Dror Eliezer	Palo Alto	CA		

US-CL-CURRENT: 716/1; 712/1, 712/200, 712/32, 712/35, 712/36, 716/18

## ABSTRACT:

An automated processor design tool uses a description of customized processor instruction set extensions in a standardized language to develop a configurable definition of a target instruction set, a Hardware Description Language description of circuitry necessary to implement the instruction set, and development tools such as a compiler, assembler, debugger and simulator which can be used to develop applications for the processor and to verify it. Implementation of the processor circuitry can be optimized for various criteria such as area, power consumption, speed and the like. Once a processor configuration is developed, it can be tested and inputs to the system modified to iteratively optimize the processor implementation. By providing a constrained domain of extensions and optimizations, the process can be automated to a high degree, thereby facilitating fast and reliable development.

8 Claims, 15 Drawing figures Exemplary Claim Number: 1

Full Title Citation Front Review Classification	Date Reference	Claims   PONC   Draw Co
☐ 2. Document ID: US 6477683 B1		
L5: Entry 2 of 3	File: USPT	Nov 5, 2002
US-PAT-NO: 6477683 DOCUMENT-NDENTIFIER: US 6477683 B1		

TITLE: Automated processor generation system for designing a configurable processor and method for the same

DATE-ISSUED: November 5, 2002

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Killian; Earl A.	Los Altos Hills	CA			
Gonzalez; Ricardo E.	Menlo Park	CA			
Dixit; Ashish B.	Mountain View	CA			
Lam; Monica	Menlo Park	CA			
Lichtenstein; Walter D.	Belmont	MA			
Rowen; Christopher	Santa Cruz	CA			
Ruttenberg; John C.	Newton	MA			
Wilson; Robert P.	Palo Alto	CA			
Wang; Albert Ren-Rui	Fremont	CA			
Maydan; Dror Eliezer	Palo Alto	CA			

US-CL-CURRENT: 716/1; 716/18

### ABSTRACT:

An automated processor design tool uses a description of customized processor instruction set extensions in a standardized language to develop a configurable definition of a target instruction set, a Hardware Description Language description of circuitry necessary to implement the instruction set, and development tools such as a compiler, assembler, debugger and simulator which can be used to develop applications for the processor and to verify it. Implementation of the processor circuitry can be optimized for various criteria such as area, power consumption, speed and the like. Once a processor configuration is developed, it can be tested and inputs to the system modified to iteratively optimize the processor implementation. By providing a constrained domain of extensions and optimizations, the process can be automated to a high degree, thereby facilitating fast and reliable development.

104 Claims, 15 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 12

### ☐ 3. Document ID: US 6219828 B1

L5: Entry 3 of 3

File: USPT

Apr 17, 2001

US-PAT-NO: 6219828

DOCUMENT-IDENTIFIER: US 6219828 B1

TITLE: Method for using two copies of open firmware for self debug capability

DATE-ISSUED: April 17, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE COUNTRY

Lee; Van Hoa

Cedar Park

ΤX

US-CL-CURRENT: 717/129; 711/102, 711/103, 711/104, 713/2, 714/100, 714/30, 717/136

#### ABSTRACT:

A first copy of Open Firmware is loaded into system memory to supply a debug function and a second copy of the same firmware is then loaded to provide functional code which is to be debugged. The first copy of Open Firmware in system memory is designated as the resident debugging function. Kernel code, within the first copy, sets up an executing environment for the debugger, such as system exception handlers and debug console enablement. Normal Open Firmware configuration variables are retrieved from Non-Volatile Random Access Memory ("NVRAM") by the first copy and transmitted to the loader. The second copy of Open Firmware is loaded into system memory to a location specified by the configuration variables. The second copy firmware image is designated as a normal Open Firmware operation in the system. The second copy initially takes over all system exception handlers except instruction breakpoint exception, program interrupt exception and trace exception. The instruction breakpoint exception is utilized to invoke the first copy, or resident debugger, from the normal Open Firmware (second copy) image during code debugging. The two copy debugging configuration is utilized in conjunction with an online machine language assembler and disassembler.

17 Claims, 4 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 4

Full Title	Citation   Front	Fleview   Class	fication   Date	Reference	44	Claims	ROOM   Errang De
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Previous Page Next Page Go to Doc#